

METHOD FOR TESTING INTEGRITY OF ELECTRICAL CONNECTION OF A FLAT CABLE MULTIPLE CONNECTOR ASSEMBLY

ABSTRACT

A method for testing an electrical connection to a flat electrical cable. The cable includes a flexible sheath having first and second ends and multiple conductors embedded in the sheath. For each conductor, first and second electrical contacts are in communication with the conductor. Also for each conductor, a third electrical contact is in communication with the conductor. The third electrical contact is amenable to coupling with an electronic component. The method includes creating a first electrical coupling between a conductor of a flat cable and a test system, and an electronic component is electrically coupled to the flat cable. A second electrical coupling is created between the conductor and the test system, the second electrical coupling also being positioned towards the first end of the flat cable. An electrical charge is introduced from the test system to the first electrical coupling. A resistance across some or all of the first and second electrical couplings is determined.